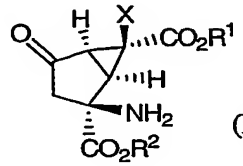
WHAT IS CLAIMED IS:

1. A process for preparing a compound of formula (IA):



(IA)

wherein R^1 and R^2 are each selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) C_{3-8} cycloalkyl, and

(4) $-(CH_2)_n$ -phenyl

wherein n is 1 or 2, and said alkyl, cycloalkyl and phenyl are unsubstituted or substituted with one or more halogen, hydroxy, C_{1-6} alkyl or C_{1-6} alkoxy;

X is selected from the group consisting of

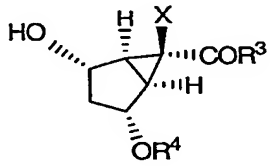
(1) halogen, and

(2) hydrogen; and

pharmaceutically acceptable salts thereof,

comprising:

(A) oxidizing a compound of formula (II):



(II)

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) -NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) halogen

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

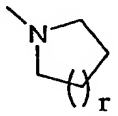
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^d is hydrogen or C_{1-10} alkyl; and

R^4 is selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) $Si\text{-}(R^9)(R^{10})(R^{11})$,

(4) $C(=O)\text{-}R^{12}$,

(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl and C_{1-10} alkoxy,

(6) $(CH_2)_p\text{-}O\text{-}(CH_2)_q\text{-}X'\text{-}R^{14}$,

(7) tetrahyropyranyl,

wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and R^{14} is selected from the group consisting of

(a) hydrogen,

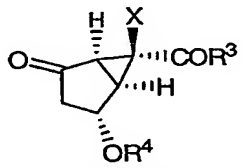
(b) C_{1-10} alkyl,

p is 1 or 2;

q is an integer selected from 1-10; and

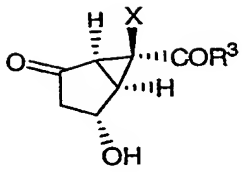
X' is O or a bond;

to form a compound of formula (IV):

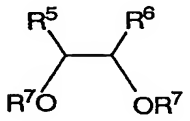


(IV)

(B) deprotecting the compound of formula (IV) to form a compound of formula (V):


(V)

(C) reacting the compound of formula (V) with a compound of formula (VI):


(VI)

wherein R^5 and R^6 are each independently selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) C_{3-8} cycloalkyl, and

(4) $(CH_2)_m$ phenyl,

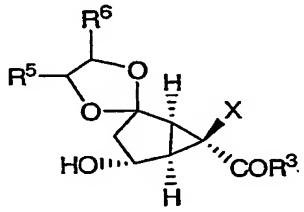
wherein m is 0, 1 or 2, and

R^7 is selected from the group consisting of

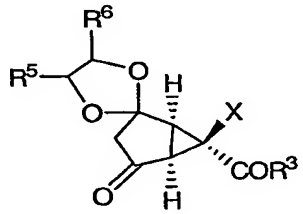
(1) hydrogen, and

(2) Si-(R^9)(R^{10})(R^{11}), wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl;

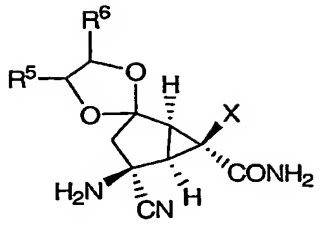
to give a compound of formula (VII):


(VII)

(D) oxidizing the compound of formula (VII) to give a compound of formula (VIII):


(VIII)

(E) converting the compound of formula (VIII) to a compound of formula (IX):



(IX)

and (F) converting the compound of formula (IX) to the compound of formula (IA).

2. The process of Claim 1 wherein R^5 and R^6 are methyl.

3. The process of Claim 1 wherein R^5 and R^6 are phenyl.

4. The process of Claim 1 wherein R^3 is methoxy.

5. The process of Claim 1 wherein R^1 and R^2 are hydrogen.

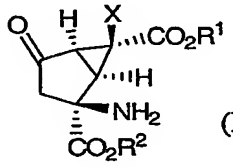
6. The process of Claim 1 wherein R^7 is trimethylsilyl.

7. The process of Claim 1 wherein X is hydrogen.

8. The process of Claim 1 wherein X is fluoro.

9. The process of Claim 1 wherein R^4 is *tert* butyldimethylsilyl.

10. A process for preparing a compound of formula (IA):



(IA)

wherein R^1 and R^2 are each selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) C_{3-8} cycloalkyl, and

(4) $-(CH_2)_n$ –phenyl

wherein n is 1 or 2, and said alkyl, cycloalkyl and phenyl are unsubstituted or substituted with one or more halogen, hydroxy, C_{1-6} alkyl or C_{1-6} alkoxy;

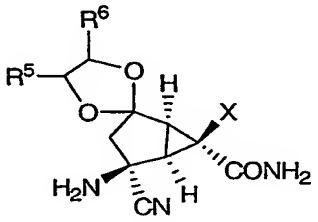
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen; and

pharmaceutically acceptable salts thereof;

comprising converting the compound of formula (IX):



(IX)

wherein R^5 and R^6 are each independently selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) C_{3-8} cycloalkyl, and

(4) $(CH_2)_m$ –phenyl,

wherein m is 0, 1 or 2,

to the compound of formula (IA).

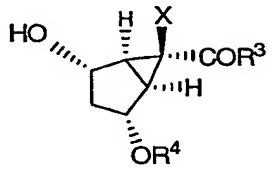
11. The process of Claim 10 wherein R^5 and R^6 are methyl.

12. The process of Claim 10 wherein R^5 and R^6 are phenyl.

13. The process of Claim 10 wherein X is fluoro.

14. The process of Claim 10 wherein X is hydrogen.

15. A process for preparing a compound of formula (II):



(II)

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) –NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f ;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e or R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

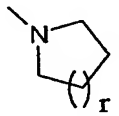
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^d is hydrogen or C_{1-10} alkyl;

X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

R^4 is selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) $Si\text{-}(R^9)(R^{10})(R^{11})$,

(4) $C(=O)\text{-}R^{12}$,

(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl and C_{1-10} alkoxy,

(6) $(CH_2)_p\text{-}O\text{-}(CH_2)_q\text{-}X'\text{-}R^{14}$,

(7) tetrahyropyranyl,

wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and R^{14} is selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl,

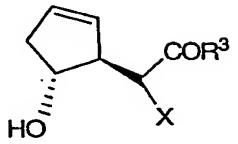
p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

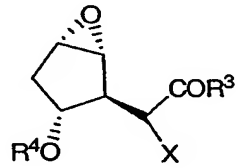
comprising:

(A) converting a compound of formula (X):



(X)

to a compound of formula (XI):



(XI)

and (B) reacting a compound of formula (XI) with a base in the presence of a Lewis acid to give a compound of formula (II).

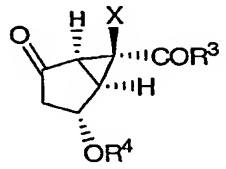
16. The process of Claim 5 wherein the conversion of a compound of formula (X) to a compound of formula (XI) comprises the step of subjecting a compound of formula (X) to epoxidation in the presence of a peroxide source and a catalytic amount of $VO(acac)_2$.

17. The process of Claim 5 wherein the conversion of a compound of formula (X) to a compound of formula (XI) comprises treating the compound of formula (X) with a halogenating agent, followed by treatment with a base.

18. The process of Claim 15 wherein X is fluoro.

19. The process of Claim 15 wherein X is hydrogen.

20. The process of Claim 5, further comprising the step of oxidizing the compound of formula (II) to form a compound of formula (IV)

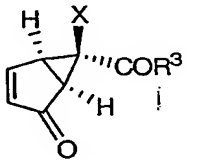


(IV)

21. The process of Claim 20 wherein X is fluoro.

22. The process of Claim 20 wherein X is hydrogen.

23. A process for preparing a compound of formula (XII)



(XII)

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) –NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

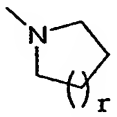
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^d is hydrogen or C_{1-10} alkyl;

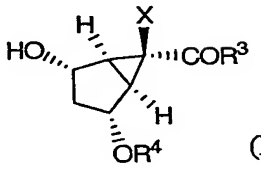
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

comprising:

(A) converting a compound of formula (II)



(II)

wherein R^4 is selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) $Si\text{-}(R^9)(R^{10})(R^{11})$,

(4) $C(=O)\text{-}R^{12}$,

(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl and C_{1-10} alkoxy,

(6) $(CH_2)_p\text{-}O\text{-}(CH_2)_q\text{-}X'\text{-}R^{14}$,

(7) tetrahyropyranyl,

wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and R^{14} is selected from the group consisting of

(a) hydrogen,

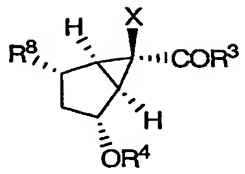
(b) C_{1-10} alkyl,

p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

to a compound of formula (XIII)



(XIII)

wherein R^8 is selected from the group consisting of

(1) halogen, and

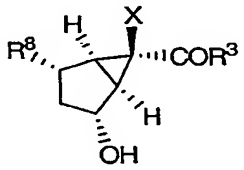
(2) O-SO_2-R^{12} wherein R^{12} is selected from the group consisting of

(a) C_{1-10} alkyl,

(b) C_{1-10} perfluoroalkyl, or

(c) phenyl which is substituted or unsubstituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl, or C_{1-10} alkoxy,

(B) removing R^4 to form a compound of formula (XIV)

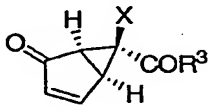


(XIV)

and (C) oxidizing the compound of formula (XIV) to form the compound of formula (XII).

24. The process of claim 23 wherein R^3 is methoxy.

25. A process for preparing a compound of formula (XII')



(XII')

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) –NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, and R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

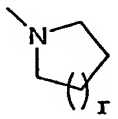
(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h;

wherein R^g and R^h are selected from the group consisting of hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

R^d is hydrogen or C_{1-10} alkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

X is selected from the group consisting of

(1) halogen, and

(2) hydrogen; and

R^4 is selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) $Si\text{-}(R^9)(R^{10})(R^{11})$,

(4) $C(=O)\text{-}R^{12}$,

(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} and C_{1-10} alkoxy,

(6) $(CH_2)_p\text{-}O\text{-}(CH_2)_q\text{-}X'\text{-}R^{14}$,

(7) tetrahyropyranyl,

wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and R^{14} is selected from the group consisting of

(a) hydrogen,

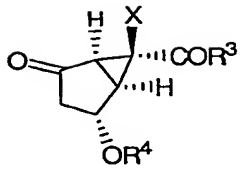
(b) C_{1-10} alkyl;

p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

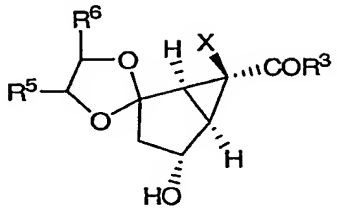
comprising converting a compound of formula (IV)



(IV)

to a compound of formula (XII').

26. A compound of formula (VII):



(VII);

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) –NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

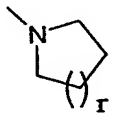
(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f ;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,
(b) C_{1-10} alkyl, and
(c) C_{3-8} cycloalkyl,
and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more
(i) hydroxy,
(ii) C_{1-10} alkoxy,
(iii) SR^d,
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,
(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and
(vii) NR^gR^h;
wherein R^g and R^h are selected from the group consisting of hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl
R^d is hydrogen or C_{1-10} alkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more
(i) hydroxy,
(ii) C_{1-10} alkoxy,
(iii) SR^d,
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and
(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and
(vi) NR^gR^h,

R^5 and R^6 are independently selected from the group consisting of
(1) hydrogen,

(2) C_{1-10} alkyl,

(3) C_{3-8} cycloalkyl, and

(4) $(CH_2)_m$ –phenyl,

wherein m is 0, 1 or 2; and

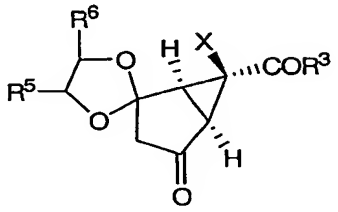
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

and salts thereof.

27. A compound of formula (VIII):



(VIII)

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) –NR^bR^c ,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl , and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f ;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,
(b) C_{1-10} alkyl, and
(c) C_{3-8} cycloalkyl,

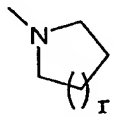
and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,
(ii) C_{1-10} alkoxy,
(iii) SR^d,
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and
(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and
(vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

R^d is hydrogen or C_{1-10} alkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,
(ii) C_{1-10} alkoxy,
(iii) SR^d,
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and
(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and
(vi) NR^gR^h,

R^5 and R^6 are independently selected from the group consisting of

(1) hydrogen,
(2) C_{1-10} alkyl,
(3) C_{3-8} cycloalkyl, and

(4) $(CH_2)_m$ phenyl,

wherein m is 0, 1 or 2; and

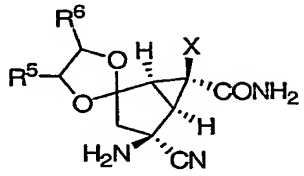
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

and salts thereof.

28. A compound of formula (IX):



(IX)

wherein R^5 and R^6 are independently selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) C_{3-8} cycloalkyl, and

(4) $(CH_2)_m$ –phenyl,

wherein m is 0, 1 or 2; and

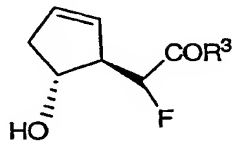
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

and salts thereof.

29. A compound of formula (XA):



(XA)

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a , and

(3) $-NR^bR^c$,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl, and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

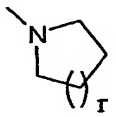
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

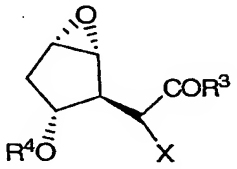
(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^d is hydrogen or C_{1-10} alkyl;

and salts thereof.

30. A compound of formula (XI):



(XI)

wherein R^3 is selected from the group consisting of

(1) –OH,

(2) –O-R^a, and

(3) –NR^bR^c,

wherein R^a is selected from the group consisting of

(a) C_{1-10} alkyl, and

(b) C_{3-8} cycloalkyl,

and R^a is unsubstituted or substituted with one or more

(i) C_{1-10} alkoxy,

(ii) hydroxy,

(iii) halogen,

(iv) SR^d,

(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,

(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl, and

(c) C_{3-8} cycloalkyl,

and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

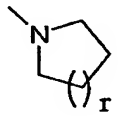
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more

(i) hydroxy,

(ii) C_{1-10} alkoxy,

(iii) SR^d,

(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^d is hydrogen or C_{1-10} alkyl;

R^4 is selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) $Si\text{-}(R^9)(R^{10})(R^{11})$,

(4) $C(=O)\text{-}R^{12}$,

(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl and C_{1-10} alkoxy,

(6) $(CH_2)_p\text{-}O\text{-}(CH_2)_q\text{-}X'\text{-}R^{14}$,

(7) tetrahyropyranyl,

wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and R^{14} is selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl,

p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

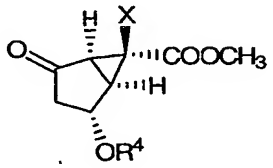
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

and salts thereof.

31. A compound of formula (IVA):



(IVA)

wherein X is selected from the group consisting of

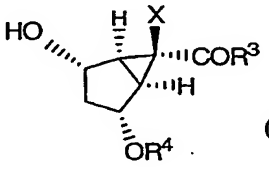
(1) halogen, and

(2) hydrogen; and

R^4 is selected from the group consisting of

(1) hydrogen,
(2) C_{1-10} alkyl,
(3) Si-(R^9)(R^{10})(R^{11}),
(4) C(=O)-R^{12},
(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl and C_{1-10} alkoxy,
(6) $(CH_2)_p$-O-$(CH_2)_q$ –X'-R^{14}, and
(7) tetrahyropyranyl,
wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and R^{14} is selected from the group consisting of
(a) hydrogen,
(b) C_{1-10} alkyl,
p is 1 or 2;
q is an integer of from 1-10; and
X' is O or a bond;
and salts thereof.

32. A compound of formula (II):



(II)

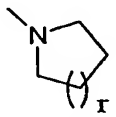
wherein R^3 is selected from the group consisting of
(1) –OH,
(2) –O-R^a, and
(3) –N$R^b R^c$,
wherein R^a is selected from the group consisting of
(a) C_{1-10} alkyl, and
(b) C_{3-8} cycloalkyl,
and R^a is unsubstituted or substituted with one or more
(i) C_{1-10} alkoxy,
(ii) hydroxy,

(iii) halogen,
(iv) SR^d,
(v) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen,
(vi) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and
(vii) NR^eR^f;

R^b, R^c, R^e and R^f are selected from the group consisting of
(a) hydrogen,
(b) C_{1-10} alkyl, and
(c) C_{3-8} cycloalkyl,
and when R^b, R^c, R^e and R^f are C_{1-10} alkyl or C_{3-8} cycloalkyl, said C_{1-10} alkyl and C_{3-8} cycloalkyl are unsubstituted or substituted with one or more
(i) hydroxy,
(ii) C_{1-10} alkoxy,
(iii) SR^d,
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and
(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and
(vi) NR^gR^h;

wherein R^g and R^h are hydrogen, C_{1-10} alkyl or C_{3-8} cycloalkyl;

or R^b and R^c, together with the N atom to which they are attached, form a group



wherein r is 1 or 2, and the NR^bR^c group may be unsubstituted or substituted at the ring carbon atoms by one or more
(i) hydroxy,
(ii) C_{1-10} alkoxy,
(iii) SR^d,
(iv) aryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(v) heteroaryl, unsubstituted or substituted with one or more hydroxy, C_{1-10} alkoxy, C_{1-10} alkyl or halogen, and

(vi) NR^gR^h,

R^d is hydrogen or C_{1-10} alkyl;

R^4 is selected from the group consisting of

(1) hydrogen,

(2) C_{1-10} alkyl,

(3) $Si\text{-}(R^9)(R^{10})(R^{11})$,

(4) $C(=O)\text{-}R^{12}$,

(5) CH_2-phenyl, wherein said phenyl is unsubstituted or substituted with one or more substituents selected from the group consisting of nitro, halogen, C_{1-10} alkyl and C_{1-10} alkoxy,

(6) $(CH_2)_p\text{-}O\text{-}(CH_2)_q\text{-}X'\text{-}R^{14}$, and

(7) tetrahydropyranyl,

wherein R^9, R^{10} and R^{11} are each C_{1-10} alkyl or phenyl, and

R^{14} is selected from the group consisting of

(a) hydrogen,

(b) C_{1-10} alkyl,

p is 1 or 2;

q is an integer of from 1-10; and

X' is O or a bond;

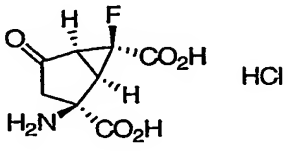
X is selected from the group consisting of

(1) halogen, and

(2) hydrogen;

and salts thereof.

33. A compound which is:



34. A polymorphic form of the compound of Claim 34 wherein the polymorphic form has a d-spacing determined by x-ray powder diffraction, CuK alpha, of about 5.37 angstroms.

35. The polymorphic form of Claim 35, which has at least one additional d-spacing determined by x-ray powder diffraction, CuK alpha, of about 4.52, 4.05, 3.84, 3.37, 2.96, 2.73, 2.67, 2.59 or 2.42 angstroms.

36. A polymorphic form of the compound of Claim 34, wherein the polymorphic form has a Differential Scanning Calorimetry extrapolated onset melting temperature of about 184°C.